

CLAIMS

1. A fuel container for housing fuel to be supplied to a fuel cell, comprising:

5 a container main body having a sealed structure;

an inner container for housing the fuel therein, formed by a flexible bag provided within the container main body;

10 a valve mechanism for enabling/disabling supply of fuel, provided in the container main body and in communication with the interior of the inner container;

an injection valve for injecting fuel, provided in the container main body and in communication with the interior of the inner container; and

15 compressed gas for ejecting the fuel, sealed between the container main body and the inner container;

all of the structural components that contact the fuel being formed of non-metallic materials; and

the fuel container being mountable on the fuel cell to directly supply fuel thereto.

20

2. A fuel container for housing fuel to be supplied to a fuel cell, comprising:

a container main body having a sealed structure;

25 an inner container for housing the fuel therein, formed by a flexible bag provided within the container main body;

a valve mechanism for enabling/disabling supply of fuel and for injecting fuel, provided in the container main body and in communication with the interior of the inner container; and

30 compressed gas for ejecting the fuel, sealed between the container main body and the inner container;

all of the structural components that contact the fuel being formed of non-metallic materials; and

the fuel container being mountable on the fuel cell to directly supply fuel thereto.

35

3. A fuel container for housing fuel to be supplied to a fuel cell, comprising:

a container main body having a sealed structure;

an inner container for housing the fuel therein, formed
5 by a flexible bag provided within the container main body;

a valve mechanism for enabling/disabling supply of fuel, provided in the container main body and in communication with the interior of the inner container; and

compressed gas for ejecting the fuel, sealed between the
10 container main body and the inner container at a pressure higher than a fuel pressure of a fuel container, which is mounted on the fuel cell to directly supply fuel thereto;

all of the structural components that contact the fuel being formed of non-metallic materials; and

15 the fuel container being mountable on the fuel container, which is mounted on the fuel cell, to reinject fuel therein.

4. A fuel container for housing fuel to be supplied to a fuel cell, comprising:

20 a cylindrical container main body for housing the fuel therein;

a piston shaped extruding member, which is manually operated to slide within the container main body in an airtight manner so as to pressurize the fuel;

25 a valve mechanism for enabling/disabling supply of fuel, provided in the container main body;

all of the structural components that contact the fuel being formed of non-metallic materials; and

30 the fuel container being mountable on a fuel container, which is mounted on the fuel cell, to reinject fuel therein.

5. A fuel container as defined in any one of Claims 1 through 4, wherein:

35 the container main body is formed by a transparent material.